

Astronomical League

Planetary Nebula Observing Club

1	NGC	40	Cep	H58-4	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
	Sep 02 2008	31"	17mmT4	PB,ML,OVAL,LAYERS OF RINGS DET,B CNTR*,GREENISH,F* ON EDGE,OIII NO HELP,R=E		
	Jul 09 1983	12.5"	12mm	MB,PS,BNEC,B CNTR *,SHARP EDGES,R		
	Aug 13 1982	12.5"	16mm	BG COLOR,MF,PS,R,B CNTR *,(10TH MAG),SIM TO BLINKING PL,F*W SIDE		
	Aug 13 1982	12.5"	7mm	EL STARTING TO SHOW UP		
2	NGC	246	Cet	H25-5	Planetary Neb 3b	VF,L,4*IN DIF NEB
	Sep 02 2008	31"	17mmT4	VF,ML,OVAL,OIII HELPS GRTLY,TRANSLUCENT BUBLE,CNTR* 13MAG,BRINGS IN EDGE,R=G		
	Sep 27 1981	12.5"	16mm	DIF,BLUE GREEN,MB,BL,SOURRS 4 *S, 1 * S,PATCHY OVALNESS		
	Oct 31 1980	12.5"	24mm			
	Oct 29 1980	8"	24mm			
	Sep 18 1980	12.5"	24mm	3*S IN NEB,ONE MOST LIKELY CNTR *		
3	NGC	650	Per	M76 H193-1	Planetary Neb 3+6	VB,P OF DNEB =M76
	Sep 02 2008	31"	17mmT4	VB,VL,BHOUR GLASS CNTR RGN,F WISPS OF NEB SIDES,OIII NO HELP,F* EDGE OF HOUR GLASS,NO CNTR* DET,R=E		
	Mar 19 2004	12.5"	12mmT4	W/OIII, VB,PL,HOUR GLASS SHAPE,BAR,TWO HALVES,MESSIER MARATHON 2004,R=E		
	Dec 06 2002	12.5"	9mmT6	PB,PL,2 LOBES EASILY DET,MHISB,B RGN IN ONE LOBE, M76		
	Mar 02 1984	10"	20mm	SAME		
	Aug 25 1982	12.5"	16mm	HOUR GLASS SHAPE,WHIPHS OF NEB SUR TIPS,SAME AS BEFORE		
	Oct 03 1981	12.5"	24mm	BLUE GREEN,MB,PS,S PART BTR,HISB,2 PARTS DET,DARK PATCH		
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
	Aug 22 1980	12.5"	24mm			
	Aug 19 1980	12.5"	24mm			
	Jul 24 1980	12.5"	24mm			
	Jul 17 1980	12.5"	24mm			
	Jul 11 1980	12.5"	24mm			
4	IC	1747	Cas		Planetary Neb 3b	
	Oct 07 2010	31"	12mmT4	PB,MS,R,DARK HOLE IN CNTR,SLT BTR ONE SIDE,OIII DOESNOT HELP MUCH,NO CNTR*,R=G		
	Oct 07 2010	31"	17mmT4	MB,VS,R,B BLUE,CNTR RGN DARK,HOLE,NO CNTR*,OIII HELPS SMWHT ONE SIDE BTR THAN OTHER,R=G		
	Sep 18 2004	31"	17mmT4	PB,MS,W/OIII,R,DARK CNTR SUSP,BR BLUEISH BALL,R=E		
5	ABELL	4	Per		Planetary Neb	
	Oct 07 2010	31"	12mmT4	PF,PS,R,UB,2 PGC GLXY CLOSE BY,OIII DOESNOT HELP MUCH,17MM - COMP GLXY HARD TO DET,R=F		
	Feb 05 2005	31"	17mmT4	DIF,VF,MS,R,OIII,GREENISH,SOME PATCHY AREAS DET,PAIR=PGC10427,R=G		
6	IC	289	Cas		Planetary Neb 4+2	
	Oct 07 2010	31"	12mmT4	MB,ML,CNTR* JUST BARELY VISIBLE,-17 MAG,NEB PATCHY,R=G		
	Oct 07 2010	31"	17mmT4	MB,SM,R,UB,NO CNTR*,OIII HELPS LTL,NEB PATCHY NOT R,R=G		
	Sep 18 2004	31"	17mmT4	MF,ML,R,UB,W/OIII,GREENISH,DARK PATCH IN CNTR SUSP,NO CNTR *,R=E		
7	NGC	1360	For		Planetary Neb 3	*8IN B,LNEB,E NS
	Dec 28 2008	31"	17mmT4	PF,PL,EL,CNTR*11M,OIII HELPS A LOT,ONE HALF BTR THAN OTHER,SHISB,R=G		
8	IC	351	Per		Planetary Neb 2a	
	Oct 07 2010	31"	12mmT4	MB,VS,R,BNUC,B BLUE,SUDLY MBM,BNUC,OIII B NEB,HELPS LTL,R=G		
	Dec 20 2003	31"	17mmT4	PB,MS,R,VHISB,B BLUE,NO CNTR *,R=G		
9	IC	2003	Per		Planetary Neb 2	
	Oct 07 2010	31"	12mmT4	MB,VS,R,NO CNTR*,ONE HALF NEB BTR THAN OTHER,OIII HELPS LTL,R=G		

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9	IC	2003	Per	Planetary Neb 2		
		Feb 05 2005	31" 17mmT4	OIII,PB,VS,R,B	BLUE,B AREA ON ONE SIDE,PAIR=MAC,R=E	
10	NGC	1501	Cam	H53-4	Planetary Neb 3	PLN,PB,PS,VLE,1'DIAM
		Oct 09 2010	31" 17mmT4	MB,ML,R,CNTR*	13TH MAG,GRAYISH GREEN COLOR,VR,SHARP EDGES,DARKER INNER RING,OIII HELPS LTL,CNTR* GOES AWAY,R=E	
		Oct 03 1981	12.5" 12mm	VR,UB,F CNTR *	14TH MAG DET,GREEN,DIF,MF,MS	
11	NGC	1514	Tau	H69-4	Planetary Neb 3+2	*9IN NEB3'DIAM
		Oct 09 2010	31" 17mmT4	PB,PL,OVAL,OIII HELPS	BRING OUT MORE DETAIL IN NEB,DARK PATCHES IN NEB,R=E	
		Oct 09 2010	31" 17mmT4	PB,PL,OVAL-R,CNTR*	~9TH MAG,L NEB,SPRIAL IN STR,DARK INNER RING BROKEN,R=E	
		Dec 25 1984	12.5" 16mm	PB,ML,B CNTR *	LOC BET 2B*S,L BALL OF NEB,R,MHISB	
12	NGC	1535	Eri	H26-4	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
		Dec 28 2008	31" 17mmT4	VB,ML,R,CNTR*12M,OIII	B INNER RING,R HALO,HISB CNTR,OIII HELPS SMWHT,R=E	
		Oct 30 1981	12.5" 12mm	BLUE,MB,PL,B CNTR,	12MAG CNTR *	
		Oct 31 1980	12.5" 24mm	SIM IN COLOR TO SATURN	NEB,FIND 1537 FIRST,GREAT!!!	
13	SH2	216	Per	Planetary Neb 3		
		Sep 19 2012	36" 31mmT5	W/OIII,SCANNED AREA	ESP EAST END OF SUSP OBJ,AT MOST COULD ONLY SUSP SOME HINT OF EF GLOW JUST SLT BTR THAN BG,AFTER SVRL FOV'S NOTICED SOME DARKENING OF BG,SUSP,R=P	
14	J	320	Ori	Planetary Neb 2+4		
		Dec 28 2008	31" 17mmT4	PF,VS,NO CNTR*,VS	UB BALL,BLUEISH,OIII DOESNOT HELP MUCH,R=G	
		Oct 04 2005	31" 17mmT4	VB,PS,R,W/OIII,B	BLUE,SOME F NEB DET OUTSIDE R BALL,R=G	
15	IC	418	Lep	Planetary Neb 4		
		Dec 28 2008	31" 17mmT4	VB,PS,R,B CNTR*10M,	GRAN NEB,CNTR* GETS LOST IN NEB WITH AV,OIII HELPS LTTLE,R=G	
		Oct 31 1980	12.5" 9mm	B BLUE,NICE!!!		
16	NGC	2022	Ori	H34-4	Planetary Neb 4+2	PLN,PB,VS,VLE
		Dec 28 2008	31" 17mmT4	MB,ML,R,PATCH,VF	CNTR* WITH AV,EDGES FRAILED,OIII DOESNOT HELP MUCH,R=G	
		Dec 30 1983	12.5" 12mm	MF,PS,NO CNTR *	DET,R,UB,LINE OF F*S OFF TO BOTH SIDES	
		Oct 31 1980	12.5" 24mm	LOOKS LIKE PALE GREY *		
		Sep 10 1980	12.5" 24mm			
		Sep 10 1980	12.5" 32mm	EASILY DET,NICE		
17	IC	2149	Aur	Planetary Neb 3b+2		
		Dec 28 2008	31" 17mmT4	PB,MS,OVAL,B CNTR*,	HISB,B BLUE,W/OIII,NO CNTR*,NEB ELR=G	
		Feb 17 2004	31" 17mmT4	DIF,PB,MS,EL-OVAL,	MHISB,OIII,NO CNTR *,UB CNTER,F THIN HALO,R=E	
18	IC	2165	CMA	Planetary Neb 3b		
		Dec 28 2008	31" 17mmT4	MB,PS,R,UB,B	BLUEISH BALL, NO CNTR*,OIII DOESNOT HELP MUCH,R=G	
		Dec 19 2006	31" 17mmT4	VB,PS,R,B BLUE	BALL,NO CNTR *,W/OIII,NEB IS BTR,R=G	
19	J	900	Gem	Planetary Neb 3b+2		
		Dec 28 2008	31" 17mmT4	PB,VS,R,UB,NO	CNTR*,VS B BLUE BALL,* CLOSE,OIII MAKE NEB BTR,R=G	
		Feb 17 2004	31" 17mmT4	DIF,PB,MS,B	BLUE,* CLOSE BY,CNTR BDET,R=G	
		Feb 17 2004	31" 17mmT4	PB,MS,R,HISB,F	HALO SUR OBJECT DET,OIII,R=E	
20	MINK	1-7	Gem	Planetary Neb 2		
		Dec 28 2008	31" 17mmT4	MB,VS,R,UB,B	BLUEISH,NO CNTR*,OIII DOESNOT HELP MUCH,R=G	
		Feb 17 2004	31" 17mmT4	DIF,VF,MS,R,B	BLUE,R NUC,NO CNTR *,F NEB SUR CNTR RGN,OIII,R=G	

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- 21 NGC 2346 Mon H65-4 Planetary Neb 3b+4 *10AFF W/ S,VF,NEB**
 Dec 28 2008 31" 17mmT4 VB,PL,R,HISB,B CNTR*11,B GREENISH,MORE NEB WITH AV,OIII DOESNOT HELP MUCH,R=E
 Oct 05 2002 12.5" 9mmT6 PB,PS,BNUC,VBM,CNTR * ~8 MAG,R,HISB,BLUE GREEN CNTR RGN
- 22 NGC 2371 Gem H316-2 Planetary Neb 3a+2 B,S,R,BMN,P OF DNEB**
 Dec 28 2008 31" 17mmT4 PB,PL,CNTR*15,2 HALVES,LOBS BOTH SIDES,SHISB,HOUR GLASS SH,OIII HELPS V LTL,R=E
 Feb 21 1984 12.5" 12mm SAME
 Feb 21 1984 12.5" 12mm SAME,SOUTH PART BTR THAN N,CNTR * DET,VF,VS
 Oct 23 1982 12.5" 12mm MF,MS,2 PARTS EASILY DET,W SIDE BTR,BOTH MHSB,NSS
 Oct 23 1982 12.5" 12mm SEE 2371
 Dec 03 1980 12.5" 24mm
 Oct 31 1980 12.5" 16mm DBL NEB,2 NEB ON TOP OF EACH OTHER,NICE!!
- 23 ABELL 21 Gem Planetary Neb**
 Dec 28 2008 31" 17mmT4 VDIF,PF,VL,L DIF AREA OF NEB,PATCHY IN AREAS,OIII HELPS SMWHT,NEB BTR,R=F
 Jan 24 2004 31" 24mmTP DIF,PF,VL,UB,WITH OIII,PATCHY AREAS IN 2 HALVES CNTR SUR *,R=G
- 24 NGC 2392 Gem H45-4 Planetary Neb 3b+3b B,S,R,*9M,*8NF100"**
 Nov 22 2006 12.5" 12mmT4 EB,VL,B CNTR * GOES AWAY WITH AV,B BLUE BALL,PATCHY AREAS DET OUTER,R=E
 Dec 04 2004 31" 17mmT4 VB,VL,WITH OIII,CNTR * EASY,RINGS SUR CNTR *,DARK RINGS BET OUTER NEB LOOKS
 MATTED,B BLUE,BEST EVER SEEN TO DATE,R=E
 Feb 21 1984 12.5" 12mm MB,PS,ESKIMO NUBULA,CNTR * EASILY DET,PATCHED IN NEB DET,FORMS TRI W2**S
 Oct 23 1982 12.5" 12mm CNTR * DET,SOME DARK AREAS IN GAS DET
 Oct 16 1982 12.5" 12mm BLUE,MF,VS,R,UB,NO CNTR *
 Oct 31 1980 12.5" 24mm ESKIMO NEB,NON STELL,GREAT!!
- 25 NGC 2438 Pup H39-4 Planetary Neb 4+2 PLN,PB,PS,VLE,R**
 Dec 28 2008 31" 17mmT4 VB,ML,R,2**S INSIDE CNTR RING,INNER AREA DARKER,MHSB INNER RING,OIII HELPS,R=E
 Mar 19 2004 12.5" 12mmT4 W/OIII, PLANETARY IN M46,RING SHAPE,CNTR DARKNESS,DONUT APPEARANCE,R=E
 Mar 27 1982 12.5" 12mm MF,PS,24MM-NO CNTR * DET,R,UB,12MM-CNTR * DET,UB,R,SOME DARK PATCHES SUSP
 Dec 03 1980 12.5" 24mm PLANETARY IN M46,GREAT!!
- 26 NGC 2440 Pup H64-4 Planetary Neb 5+3 PLN,CB,NOT VWELL DEF**
 Dec 28 2008 31" 17mmT4 VB,PL,EL,NO CNTR*,IRR,2 HALVES/LOBS,HISB CNTR,F OUT SHELL,OIII HELP DETAIL,R=E
 Dec 03 1980 12.5" 24mm SIM TO SATURN NEB,B BLUE,SLT DIF NEB SUR OBJECT
- 27 NGC 2452 Pup Planetary Neb 4+3 PLN,F,S,LE,AM60***
 Dec 28 2008 31" 17mmT4 MB,MS,OVAL,DARK AREA IN NEB DET,NO CNTR*,OIII DOESNOT HELP MUCH,GREENISH
 COLOR,R=G
 Nov 22 2006 12.5" 12mmT4 MF,VS,R,PAIR=2453,S BLUEISH BALL,OIII HELPS SMWHT,R=G
 Dec 03 1980 12.5" 24mm NOT MUCH SURFACE B,PAIL GREY,OVAL,PATCH,BESIDE CL - 2453
- 28 JNER 1 Lyn Planetary Neb 4**
 Mar 06 2010 31" 17mmT4 MF,VL,PATCH,2 AREAS OF PATCHY NEB DET,CNTR*VF,SVRL VF**S IN CNTR RGN,OIII HELPS
 ALOT,MUCH MORE NEB,2 BHALVES,F NEB IN AREA,R=F
 Apr 03 2005 31" 17mmT4 W/OIII,DIF,VF,PL,OVAL-R,PATCH,NO CNTR *,L AREA OF NEB DET,R=G
- 29 NGC 2610 Hya H35-4 Planetary Neb 4+2 F,S,ATTTO*13,*7NF**
 Dec 28 2008 31" 17mmT4 PB,ML,OVAL,UB,B* IN FOV,* IN EDGE,VF CNTR*15,OIII DOESNOT HELP MUCH,R=G
 Nov 22 2006 12.5" 12mmT4 MF,PS,R,F* ON EDGE OF NEB,OIII HELPS OUT SLT,R=F
 Mar 29 2006 31" 17mmT4 DIF,MB,ML,R,UB,* IN EDGE,W/OIII,PATCHY,DARK AREAS,OVAL WITH B EDGES,R=G
- 30 MINK 3-6 Pyx Planetary Neb 2a**

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30	MINK 3-6	Pyx	Planetary Neb 2a		
Dec 28 2008	31"	17mmT4	MB,PS,OVAL-R,UB,NO CNTR*,B BLUEISH BALL,OIII HELPS LTL,MORE BLUE,R=G		
31	NGC 2818	Pyx	Planetary Neb PN	PLN,PB,PL,R,VGLBM	
Dec 28 2008	31"	17mmT4	MB,MS,UB,NO CNTR*,NEB INSIDE CL CR 206,W/OIII,NEB HAS PATCHY AREAS,R=G		
32	NGC 3132	Vel	Planetary Neb 4+2	PLN,VB,VL,LE*9M	
Dec 28 2008	31"	17mmT4	VB,PL,OVAL,B CNTR*,DARK INNER RING,B BLUEISH GREEN,8 DEG ABOVE H,OIII HELPS,R=E		
33	NGC 3242	Hya	H27-4	Planetary Neb 4+3b	PLN,VB,LE147,45"D
Dec 28 2008	31"	17mmT4	VB,PL,R,HISB,CNTR*13,OUT SHELL,BTR INNER RING W/TAP SIDES,B BLUEISH,OIII HL,R=E		
Feb 12 1983	12.5"	16mm	MB,PS,R,BLUE FUZZY EDGES,UB,NO CNTR *		
Dec 03 1980	12.5"	24mm	GHOST OF JUPITER,PAIL GREENISH COLOR,GREAT!!		
34	NGC 3587	UMa M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Mar 16 2009	31"	17mmT4	EB,EL,CNTR* DET ~15TH MAG,DARK PATCHES,BROKEN EDGES,GREYISH GREEN,R=E		
Mar 16 2009	31"	17mmT4	EB,EL,W/OIII,LOOSE CNTR*,DOESNOT HELP MUCH,LTL MORE DARK PATCHES DET,R=E		
Feb 04 2005	31"	17mmT4	OIII,VB,EL-OVAL,HISB,2 DARK PATCHES,CNTR *,BEST TO DATE,PATCHY AREAS,DET,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT4	PB,VL,MHISB,CNTR *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CNTR,R=E		
Mar 15 1985	12.5"	12mm	VR,DARK PATCHES DET,BG COLOR,BEST VIEW EVER!!!		
Mar 15 1985	12.5"	16mm	SAME,EB,VL		
Mar 02 1984	10"	20mm	MB,ML,R,B* OFF ONE SIDE,UB WITH SOME DARK AREAS		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Sep 18 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
May 07 1980	5"	9mm			
Apr 18 1980	6"	24mm			
Apr 16 1980	6"	24mm	IN SAME FOV WITH M108		
35	NGC 4361	Crv	H65-1	Planetary Neb 3a+2	VB,L,R,VSMBMN,R
Mar 16 2009	31"	17mmT4	VB,EL,B CNTR*,SQUARE SHAPE NEB,GREENISH,W/OIII,NEB MORE PRONOUNCED,HELPS A LTL,NEB MORE SQUARE LIKE,R=E		
May 03 1981	12.5"	16mm	BLUE GREEN,PB,PL,CNTR * ~11MAG DET		
36	IC 3568	Cam	Planetary Neb 2+2a		
Mar 17 2009	31"	17mmT4	VF,ML,R,F* OFF SIDE,B BLUEISH,GMB,B CNTR REG,OUTER SHELL GRAN W/OIII,DOESNOT HELP MUCH,R=E		
Feb 04 2005	31"	17mmT4	PB,ML,R,BNUC,B BLUE,BM,HALO SUR CNTR NUC,F* OFF ONE EDGE,R=E		
37	ABELL 35	Hya	Planetary Neb 3a		
Mar 20 2009	31"	17mmT4	CNTR* ~9TH MAG,W AND W/O OIII CANNOT DETECT ANY NEB,R=P		
Mar 17 2009	31"	17mmT4	LOC GOOD,SCAN WITH AND WITHOUT OIII,ON MERIDIAN,GOOD SKIES,NO NEB DET,R=P		
38	ABELL 36	Vir	Planetary Neb		
Mar 20 2009	31"	17mmT4	EF,PL,CNTR* 10TH MAG,F NEB DET SUR CNTR*,NO NEB OUTER SHELL,OIII DOESNOT HELP,R=P		
Mar 17 2009	31"	17mmT4	B BLUEISH FUZZY BALL,NO OUTER SHELL OF NEB DET,OIII DOESNOT HELP,R=F		
39	NGC 5873	Lup	Planetary Neb 2	PLN,STELLAR=9.5MAG	
Mar 20 2009	31"	12mmT4	MB,VS,R,V S BLUEISH BALL,NO CNTR*,VF* OFF ONE SIDE,OIII HELP LTL,R=G		

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40	NGC 6026	Lup		Planetary Neb 4	F,S,R,GPMBM,TRI* NP
	Mar 20 2009 31"	17mmT4	MF,MS,R,B	CNTR RGN,CNTR* 13TH MAG,W/OIII,CNTR* V DIM,MORE NEB DET,R BALL,R=F	
41	NGC 6058	Her	H637-3	Planetary Neb 3+2	PF,VS,R,STELLAR
	Mar 20 2009 31"	17mmT4	MF,MS,R,B	CNTR* 12TH MAG,GRAN NEB,OIII KNOCKS OUT CNTR*,DOESNOT HELP MUCH,R=F	
	Sep 06 2002 12.5"	16mm	PB,ML,R,DIF	HALO,BM	
	Sep 06 2002 12.5"	9mmT6	BM,MHISB,CNTR *		
42	IC 4593	Her		Planetary Neb 2+2	
	Apr 16 2009 31"	17mmT4	VB,MS,R,CNTR*	10TH,B BLUEISH GREEN BALL,B CNTR RGN,GRAN NEB SUR CNTR*,OIII KNOCKS OUT CNTR*,DOESNOT HELP MUCH,R=E	
43	NGC 6072	Sco		Planetary Neb 3a	PF,R,VGVLBM,R
	May 17 2009 31"	17mmT4	PB,PL,NO	CNTR*,R,UB,FRAILED EDGES,OIII HELPS NEB A LTL,R=G	
44	NGC 6153	Sco		Planetary Neb 4	PLN,STELLAR
	May 17 2009 31"	17mmT4	VB,ML,R,UB,HISB,NO	CNTR*,B BLUEISH GREEN,OIII HELPS,R=E	
45	NGC 6210	Her		Planetary Neb 2+3b	PLN,VB,VS,R,DISC
	May 17 2009 31"	17mmT4	VB,ML,CNTR*	APP 12TH MAG,INNER RGN GRAN,F WISPS OF NEB BEYOND BALL,BB-G,B INNER RGN SUR CNTR*,OIII SHOWS MORE FT NEB SUR BALL,R=E	
	Jul 14 1980 12.5"	24mm			
	Jul 12 1980 12.5"	24mm			
	Jul 11 1980 12.5"	24mm			
	Jul 05 1980 12.5"	24mm			
	Jun 17 1980 12.5"	9mm		FIRST SIGHTING,B BLUE WITH 9MM AND NEB FILTER	
46	IC 4634	Oph		Planetary Neb 2a+3	
	May 17 2009 31"	17mmT4	PB,PS,B	BLUEISH BALL,NO CNTR*,NEB ,EL W/TAPERED ENDS,OIII DOES NOT HELP,R=G	
	Jun 19 2004 31"	17mmT4	VF,PS,R,UB,WITH	OIII,B BLUE,TAPERED ENDS,NO CNTR *,R=E	
47	MINK 2-9	Oph		Planetary Neb ?+6	
	May 17 2009 31"	12mmT4	MB,PS,EL,V	S CNTR RGN OR CNTR* ~12TH MAG,NEB ,EL (BAR) FROM CNTR*, LOOKS LIKE EDGE ON GLXY W/VSNUC,OIII DOES NOT HELP,R=F	
48	NGC 6302	Sco		Planetary Neb 6	PB,E PF,(SWIFT,TRIP)
	May 18 2009 31"	17mmT4	VB,VL,EL,B	BLUE-GREEN,IRR IN SHAPE,HISB,B CNTR RGN SUR CNTR*,BM,NO CNTR* JUST B RGN TAPERED ENDS,ONE SIDE THINNER AND THICKER THAN OTHER,OIII HELPS,NEB GRAN BROKEN IN PARTS,NEB S-SHAPE,R=E	
	May 28 2008 31"	17mmT4	VB,VL,EL,HISB,B	CNTR * RGN,PATCHY AREAS OF NEB DET,B AREAS,W/OIII,MORE DETAIL IN NEB,B GREEN,E,R=E	
49	NGC 6309	Oph		Planetary Neb 3b+6	B,S,BET2*VNR
	May 18 2009 31"	17mmT4	VB,ML,B	BLUEISH,HISB,F* ON END,VF* OFF SIDE TOUCH,NO CNTR*,BOX LIKE NUC RGN FT NEB EXTENDED OFF SIDES,RECTANGLE SHAPE,OIII DOESNOT HELP MUCH,R=E	
	Jul 21 1984 12.5"	12mm	VF,ES,DBL *	TO W,F* JUST N SIDE,B BAR N-S DET,NSS,MHISB	
	Jun 04 1981 12.5"	16mm		WITH 2X BARLOW,BLUE,BESIDE F*,NO CNTR * DET	
50	NGC 6337	Sco		Planetary Neb 4	RINGNEB,EF,S,AM ST
	May 18 2009 31"	17mmT4	MB,ML,TRANSLUCENT	BALL WITH CNTR* OFF CNTR,~14TH MAG,PATCHES OF NEB IN BALL DET,OUTER RING BTR,OIII HELPS,LIKE M57,KNOCKS OUT CNTR*,R=G	
51	NGC 6369	Oph	H11-4	Planetary Neb 4+2	RINGNEB,PB,S,R
	May 18 2009 31"	17mmT4	MB,ML,R,RESEMBLES	M57,CNTR* ~15TH MAG,RING WITH FT NEB INSIDE,SMWHT BTR SUR CNTR*,OIII DOESNOT HELP MUCH,NEB SLT BTR,R=E	
	Jun 04 1981 12.5"	24mm		GREEN,MF,MS,NO CNTR * DET	
	Jun 18 1980 12.5"	9mm		GOOD,LOC BESIDE F*,DISK DET	

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52	NGC 6445	Sgr	H586-2	Planetary Neb 3b+3	PB,PS,R,GBM,R,*15NP
	May 18 2009 31"	17mmT4	VB,PL,HISB,LOOKS LIKE A BIG MAC SANDWITCH,2 HAMBURGER BUNS,NO CNTR*,SEP,D IN 2 HALVES,BOX-SQUARE SHAPE,OIII, OUTER SIDES OF NEB BTR,R=E		
	Sep 20 1984 12.5"	12mm	DIF,MF,PS,F* NW EDGE,B* TO W,PATCHY		
	Aug 13 1982 12.5"	16mm	PF,VS,BLUE GREEN,F* ON NW EDGE,OVAL-PATCHY,SBM,PAIR/6440		
53	IC 4670	Sgr	Planetary Neb PN		
	Aug 15 2009 31"	17mmT4	MB,VS,R,CNTR* 15TH,GRYISH,OIII,NEB BTR,NOT MUCH NEB SUR CNTR*,R=F		
54	NGC 6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
	May 19 2009 31"	17mmT4	VB,VL,B GREENISH,CNTR* 10TH MAG,B INNER CORE,GRAN BALL,VF WISPS OF NEB SUR BALL,OIII BRINGS OUT OUTER HALO ONLY,PAIR=IC4677,R=E		
	Mar 26 2006 31"	17mmT4	VF,PL,B BLUE,CNTR *,DETAIL IN NEB,DARK INNER RING,PAIR=IC4677,R=E		
	Jun 23 2003 12.5"	9mmT6	VB,ML,EL-OVAL,VHISB,BNUC,SLT EL,F HALO SUR GLXY,R=E		
	Jul 22 1981 12.5"	16mm	BLUEISH IN COLOR,PB,MS,NO CNTR * DET		
	Jul 14 1980 12.5"	24mm			
	Jul 11 1980 12.5"	24mm			
	Jun 20 1980 12.5"	24mm			
55	NGC 6537	Sgr	Planetary Neb 2a+6		PLN,B,S,STELLAR
	May 19 2009 31"	12mmT4	PB,PS,UB,NO CNTR*,BLUEISH GREEN,S BALL,OIII DOESNOT HELP,R=G		
56	NGC 6565	Sgr	Planetary Neb 4		PLN,STELLAR
	May 19 2009 31"	12mmT4	PB,VS,UB,NO CNTR*,GREENISH-BLUE BALL,OIII DOESNOT HELP MUCH,R=G		
	Sep 21 1984 12.5"	12mm	VF,VS,3F*S TO N IN A LINE,BLUEISH COLOR,R,UB		
57	NGC 6563	Sgr	Planetary Neb 3a		PLN,F,L,CE,HAZY EDGE
	May 19 2009 31"	17mmT4	PB,PL,UB,NO CNTR*,GREENISH,PARTS SUR EDGE NOT WELL DEFINED,OIII MORE NEB,R=E		
	Sep 21 1984 12.5"	12mm	VDIF,VF,VS,VF* OFF TO W,PATCHY-R,UB		
58	NGC 6572	Oph	Planetary Neb 2a		PLN,VB,VS,R,LHAZY
	May 19 2009 31"	17mmT4	VB,ML,B BLUEISH GREEN (TORQUOISE),UNIQUE COLOR,BM,OIII L HALO NEB SUR BALL,R=E		
	Jun 27 2003 12.5"	9mmT6	EB,PL,B BLUE,F HALO SUR CNTR REG,OUTER SHELL DET OIII FILTER,R=E		
	Sep 21 1984 12.5"	12mm	PB,PS,BR BALL,CNTR * NOT DET,UB,HISB		
	Jun 04 1981 12.5"	24mm	BLUE,MB,PS		
	Jun 18 1980 12.5"	24mm	LOOKS LIKE B* AT TIP OF TRI		
	Jun 18 1980 12.5"	24mm	WITH BARLOW,LOOKS LIKE B* AT TIP OF TRI		
	Jun 18 1980 12.5"	9mm	VB BLUE WITH BARLOW AND 9MM,SHAPE EASILY DET		
	Jun 18 1980 12.5"	9mm	WITH BARLOW SHAPE EASILY DET		
59	NGC 6567	Sgr	Planetary Neb 2a+3		PLN,STELL,11M,IN ACL
	May 19 2009 31"	12mmT4	MB,VS,UB,VF* OFF TO SIDE,RICH * FOV,VF CNTR* SUSP,OIII DNOT HELP,BLUEISH SBALL,R=F		
	Sep 21 1984 12.5"	12mm	DIF,MF,MS,R,B BLUE,ALM STELL		
60	NGC 6578	Sgr	Planetary Neb 2a		PLN,STELLAR=13MAG
	May 19 2009 31"	12mmT4	PB,MS,VF* OR PIECE OF NEB OFF ONE SIDE,VF CNTR* APP 15TH SUSP,GBM,OIII DNH,R=G		
	Sep 12 2007 31"	17mmT4	W/OIII,PB,MS,R,B CNTR,BLUEISH BALL,HISB CNTR,* OFF SIDE,F HALO SUR=G		
61	NGC 6620	Sgr	Planetary Neb 2b		PLN,STELLAR
	May 19 2009 31"	12mmT4	MB,VS,SOME B CNTR DET,NO CNTR*,GREENISH,OIII HELPS BR TEN NEB,R=F		
	Sep 05 2007 31"	17mmT4	MB,VS,GREENISH BALL,SBM,OIII DOESNOT HELP MUCH,R=F		
62	NGC 6629	Sgr	H204-2	Planetary Neb 2a	PLNORGCL,PB,EES,R

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62	NGC	6629	Sgr	H204-2	Planetary Neb 2a	PLNORGCL,PB,EES,R
	May 19 2009	31"	12mmT4	MB,PS,R,CNTR*	~13TH MAG,BLUEISH-GREEN,B TOWARDS CNTR,OIII DNH,R=G	
	Aug 13 1982	12.5"	7mm	MF,VS,BET 2*S	IN FIELD OF VIEW,HARD TO LOC,R,BLUE GREEN COLOR	
63	NGC	6644	Sgr		Planetary Neb 2	PLN,STELLAR
	May 19 2009	31"	12mmT4	MB,VS,R,UB	BLUEISH,NO CNTR*,OIII B NEB,R=G	
	Sep 05 2007	31"	17mmT4	W/OIII,PB,MS,R,B	BLUE BALL,STANDS OUT WELL,W/O OIII,SOME FNEB SUR CREG,R=G	
64	IC	4732	Sgr		Planetary Neb 1	
	May 19 2009	31"	12mmT4	MF,ES,R	HARD TO DET FROM FOV *S,NO CNTR*,OIII DOES NOT HELP,BLUEISH BALL,R=P	
	Sep 12 2007	31"	17mmT4	PF,PS,R,VS B CNTR	WITH F NEB SUR CNTR *,OIII DOESNOT HELP,R=F	
65	IC	4776	Sgr		Planetary Neb 2a	
	Aug 15 2009	31"	17mmT4	MB,VS,R,UB	NO CNTR*,B BLUEISH BALL,OIII,STANDS OUT OF FOV,BKGR *S FADE,R=F	
	Sep 12 2007	31"	12mmT4	W/OIII,EB,ML,VB	BLUEISH BALL,SOME FT NEB SUR NEC DET,R=G	
	Sep 12 2007	31"	17mmT4	W/OIII,VB,PS,UB	B BLUEISH BALL,R=G	
66	NGC	6720	Lyr M57		Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	Aug 23 2009	31"	12mmT4	VB,VL,OVAL,HISB	BTHICK SIDES,F NEB INSIDE,CNTR*15TH MAG,EXT NEB ONE SIDE,OIII HELPS LTL,KNOCKS OUT CNTR*,R=E	
	Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
	Sep 23 2003	31"	17mmT4	EB,EL	FIRST LIGHT WITH 17MM,CNTR * DET,BEST OBSERVATION TODATE,OBLONG RING	
	Sep 01 2002	31"	9mmT6	CNTR *	SEEN, FT DETAIL IN NEB,BEST VIEW TO DATE	
	Sep 20 1981	12.5"	24mm			
	Jun 04 1981	12.5"	9mm	WITH BARROW	CNTR * COMES AND GOES WITH AV,2B*S INSIDE RING	
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
	Sep 10 1980	12.5"	24mm			
	Sep 07 1980	12.5"	24mm			
	Sep 03 1980	12.5"	24mm			
	Aug 19 1980	12.5"	24mm			
	Jul 15 1980	12.5"	24mm			
	Jul 12 1980	12.5"	24mm			
	Jul 11 1980	12.5"	24mm			
	Jul 05 1980	12.5"	24mm			
	Jun 20 1980	12.5"	24mm			
	Jun 18 1980	12.5"	24mm			
	Jun 17 1980	12.5"	24mm			
	Jun 10 1980	6"	24mm			
	May 07 1980	5"	9mm			
	Apr 18 1980	6"	24mm			
	Apr 16 1980	6"	24mm			
67	IC	1295	Sct		Planetary Neb 3b+2	
	Aug 23 2009	31"	12mmT4	MF,PL,OVAL	PATCHY,NO CNTR*,SVRL F*S IN NEB,SOME CLOSE TO CNTR,OIII HELPS,DARK INNER HOLE,BREAK IN EDGES,PAIR=SAND2-374,R=F	
	Sep 05 2007	31"	17mmT4	W/OIII,MB,ML,OVAL	PATCH,SHISB,PATCHY AREAS,FEW F*S IN NEB,R=E	
68	NGC	6742	Dra	H742-3	Planetary Neb 2c	VF,STELLAR
	Aug 23 2009	31"	12mmT4	MF,MS,R,UB	GREENISH-GREY,NO CNTR*,VF* IN EDGE OF NEB,OIII HELP A LTL,UB,R=G	
	Mar 26 2006	31"	17mmT4	MB,ML,OVAL	MHISB,2F*S IN NEB,PALE GREENISH,DARK AREA SUSP/WOIII,NEB BTR,R=E	
69	SH2	71	Aql		Planetary Neb 3b+3	

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69	SH2	71	Aql	Planetary Neb 3b+3	
Sep 02 2008	31"	17mmT4	MF,ML,FLD *	CLOSE TO CNTR*	13TH MAG,WISPS OF NEB,IRR,OIII HELPS LTL,CNTR* DET,R=F
70	NGC	6741	Aql	Planetary Neb 4	PLN,STELLAR
Sep 02 2008	31"	17mmT4	VF,PS,R,OIII HELPS,	NEB BTR,BTR,B BLUE,	SLT HINT OF EL RINGS,R=G
Aug 31 1984	12.5"	12mm	MB,ES,1/3 WAY BET	2F*S,VF GLOW DET	WITH AV
Jul 10 1981	12.5"	12mm	JUST S OF 11MAG *	BLUE GREEN COLOR,	VB,ES
71	NGC	6751	Aql	Planetary Neb 3	PB,S
Sep 02 2008	31"	17mmT4	MB,PL,R,B GREENISH,	CNTR* 15TH MAG,OIII	DOESNOT HELP MUCH,PATCHY AREAS IN NEB,R=E
Jul 10 1981	12.5"	12mm	R,BLUE GREEN,MF,VS		
72	NGC	6765	Lyr	Planetary Neb 5	F,S,E
Sep 02 2008	31"	17mmT4	MF,MS,EL,OIII HELPS,	HISB IN CNTR REG,	BROKEN HALVES 1 S & FTR CNTR*, BM,R=G
Sep 19 2004	31"	17mmT4	PB,ML,EL,HSIB,W/OIII,	COMET LIKE,PATCHY,	2 HALVES ONE BTR THAN OTHER,R=E
73	IC	4846	Aql	Planetary Neb 2	
Sep 02 2008	31"	17mmT4	MF,VS,R,NO CNTR*	OIII MAKES NEB STAND	OUT,B BLUE,R=G
May 16 2004	31"	17mmT4	PB,VS,R,WITH OIII,	B BLUE, R DISK,	HISB,R=G
74	IC	1297	CrA	Planetary Neb	
Sep 02 2008	31"	17mmT4	MF,PS,OVAL-R,OIII	HELPS LTL,GREENISH,	NO CNTR*,10 DEG ABOVE HORZ AT MERIDIAN,R=F
75	NGC	6778	Aql	Planetary Neb 3+3	S,E,ILL-DEFINED DISC
Sep 02 2008	31"	17mmT4	PB,MS,OVAL-R,	GREENISH,OIII HELPS	LTL,NO CNTR*,BTR AREAS DET,MORE OVAL,R=G
May 16 2004	31"	17mmT4	MB,MS,R,WITH OIII,	PATCHY AREA DET,	MHISB,SOFT BLUE,R=E
Jul 10 1981	12.5"	12mm	BLUE,MF,MS		
76	NGC	6781	Aql	H743-3 Planetary Neb 3+3	PLN,F,L,R,VSBM DISC
Sep 02 2008	31"	17mmT4	MB,VL,OVAL,NO CNTR*	ONE SIDE BROKEN,	OIII HELPS SMWHT L CNTR DARK AREA,R=E
Aug 31 1984	12.5"	12mm	MF,PL,R,PATCHY,	RESEMBLES HELIX	NEB
Jul 10 1981	12.5"	12mm	VL,DIF,R,DARK	PATCHES SEEN IN	CNTR AREA,GRAYISH COLOR DIF NEB
77	NGC	6790	Aql	Planetary Neb 2	PLN,B,ES,STELL=9.5M
Sep 02 2008	31"	17mmT4	PB,VS,R,GREENISH	BBALL,OIII HELPS,	NO CNTR*,B BLUEISH,VF HALO SUR BALL,R=G
Jul 10 1981	12.5"	12mm	ES,JUST E OF 12MAG *	DIF OUTER HALO	JUST VISIBLE
78	MINK	1-70	Aql	Planetary Neb 1	
Sep 02 2008	31"	17mmT4	MF,ES,R,OIII HELPS	LTL,BLUEISH S BALL,	NO CNTR*,HARD TO DET FROM FOV *S,R=F
79	NGC	6803	Aql	Planetary Neb 2a	PLN,STELLAR
Sep 02 2008	31"	17mmT4	MB,ES,R,GREENISH	S BALL,OIII HELPS	LTL,BLUEISH,VS BBALL,R=F
Jul 10 1981	12.5"	12mm	GREENISH,CNTR *	DET,F* ON W	EDGE OF NEB
80	NGC	6804	Aql	H38-6 Planetary Neb 4+2	CB,S,IR,RRR
Sep 02 2008	31"	17mmT4	MB,BL,OVAL,GREENISH,	SVRLF*S IN NEB,	CNTR* 15TH MAG,OIII DOESNOT HELP MUCH,R=G
Aug 31 1984	12.5"	12mm	PF,MS,BNUC,R-OVAL,	SBM,F* TOWARDS	OUTER EDGE,PATCHY
Jul 10 1981	12.5"	12mm	GREEN,DIF,PF,MS,	CNTR * ~14MAG	
81	NGC	6807	Aql	Planetary Neb 2	PLN,STELLAR
Sep 02 2008	31"	17mmT4	MB,ES,R,OIII HELPS	DET FROM FOV *S,	BLUEISH,NO CNTR*,VS AND R,R=F
Jun 25 2003	12.5"	5mmT6	BLUEISH,VF HALO	SUR *,*	
Jun 25 2003	12.5"	9mmT6	MB,ES,R=F		

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82	HENIZ 2-438	Cyg		Planetary Neb 4	
	Sep 02 2008	31"	12mmT4	VB,VS,R,INNER CORE RING REDDISH,CNTR* 12TH MAG,F NEB SUR CNTR*,OIII NO HELP,R=F	
	Sep 02 2008	31"	17mmT4	VB,VS,R,INNER CORE RING REDDISH,CNTR* 12TH MAG,F NEB SUR CNTR*,OIII NO HELP,R=F	
83	NGC 6818	Sgr	H51-4	Planetary Neb 4	PLN,B,VS,R
	Sep 02 2008	31"	17mmT4	VB,ML,R,OIII HELPS MUCH,B BLUEISH GREEN,CNTR RGN DARK,NO CNTR* DET,R=E	
	Jul 30 2002	12.5"	16mm	MB,ML,B BLUE GREEN,VR	
	Sep 20 1984	12.5"	12mm	PB,PS,F* JUST TO W,UB,R	
	Sep 20 1981	12.5"	24mm		
	Jul 15 1980	12.5"	24mm		
	Jun 18 1980	12.5"	24mm		
	Jun 17 1980	12.5"	9mm	GREAT,LOOKS LIKE 6210	
84	NGC 6826	Cyg	H73-4	Planetary Neb 3a+2	PLN,B,PL,R,*11M
	Sep 02 2008	31"	17mmT4	VB,VL,R,GREENISH TECTURE B BALL,CNTR* 10TH MAG,OIII NOT MUCH HELP,R=E	
	Jul 24 1981	12.5"	16mm	GREENISH,BLINKING PLANTARY,CNTR* EASILY BLINKS WHEN LOOKING AT CNTR	
	Jul 24 1981	12.5"	7mm	CNTR * NO LONGER BLINKS	
	Jun 20 1980	12.5"	9mm	B CNTR * EASILY SEEN	
	Jun 17 1980	12.5"	16mm	GREAT,GREENISH BLUE COLOR,USE BARLOW AND 16MM	
85	NGC 6833	Cyg		Planetary Neb 2	PLN,STELLAR
	Sep 02 2008	31"	17mmT4	MB,ES,R,GREENISH-BLUEISH,OIII NOT MUCH HELP,NO CNTR*,BM,BARELY DET IN FOV,R=P	
	Sep 11 2004	31"	17mmT4	VB,PS,R,HISB,W/OIII,B BLUE BALL,F OUTER HALO DET,R=G	
86	NGC 6853	Vul M27		Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL
	Jul 05 2008	31"	17mmT4	VB,EL,W/OIII,MORE DETAIL,ONE SIDE MORE NEB THAN OTHER,BULGE,FINE DETAILS,CNTR*,R=E	
	Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
	Aug 20 2003	31"	25mm	EB,EL,EHISB,ABOUT DOZEN *S INSIDE NEB,DETAILED AND PATCHY,R=E	
	Jun 27 2003	12.5"	9mmT6	EB,EL,OIII FILTER ABSOLUTLY UNBELIEVABLE,DETAIL IN NEBULOSITY,BEST TO DATE,R=E	
	Sep 19 1984	12.5"	12mm	VB,VL,HOUR GLASS SHAPE V EASILY DET,F OUTER LOB DET BOTH SIDES	
	Sep 20 1981	12.5"	24mm		
	Jul 30 1981	12.5"	12mm	BLUE GREEN,*S SEEN IN NEB,VB,EL,CNTR * DET	
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
	Sep 10 1980	12.5"	24mm		
	Sep 07 1980	12.5"	24mm		
	Jul 15 1980	12.5"	24mm		
	Jul 11 1980	12.5"	24mm		
	Jul 05 1980	12.5"	24mm		
	Jun 20 1980	12.5"	24mm		
	Jun 17 1980	12.5"	24mm		
	Jun 10 1980	6"	24mm		
87	NGC 6884	Cyg		Planetary Neb 2b	PLN,STELLAR
	Sep 02 2008	31"	17mmT4	MB,PS,R,UB,OIII HELPS,BLUEISH BALL,NO CNTR*,EASILY DET IN FOV,R=F	
	Jul 24 1981	12.5"	12mm	NOT SURE OF FIND,IN VOID BARREN * FIELD,DIF NEB SUSP	
88	NGC 6879	Sge		Planetary Neb 2a	PLN,STELLAR=10M
	Aug 15 2009	31"	17mmT4	MB,VS,R,UB,NO CNTR*,B BLUEISH,RICH FOV,OIII,DOESNOT HELP MUCH,VF NEB AR NUC,R=F	
	Aug 20 2003	31"	25mm	EF,VS,R,UB,AV,SUSP,LOC GOOD,R=P	
	Aug 20 2003	31"	9mmT6	VDIF,VF,MS,PATCH,UB,ABLE TO DETECT WITH 9MM,R=F	

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89	NGC 6881	Cyg		Planetary Neb 2a+3	PLN,STELLAR
	Aug 15 2009 31"	17mmT4	MF,VS,R,GREENISH,SNUC WITH THIN FT OUTER NEB,OIII,DOESNOT HELP MUCH,R=F		
	Sep 18 2004 31"	17mmT4	W/OIII,VF,VS,R,FIND FIRST WITH 25MM & * HOPPING,BLUEISH,VF HALO DET,R=F		
90	NGC 6886	Sge		Planetary Neb 2+3	PLN,STELLAR=10M
	Aug 15 2009 31"	17mmT4	PB,PS,R,UB,B BLUEISH,RICH FOV,OIII DOESNOT HELP MUCH,R=G		
	Aug 20 2003 31"	25mm	MB,PS,R,B BLUE R BALL,R=E		
	Aug 20 2003 31"	9mmT6	VP,PL,B BLUE,RING OF NEB,BOTH SIDES TAPERED,SLT BM,CNTR * SUSP,R=E		
91	NGC 6891	Del		Planetary Neb 2a+2b	PLN,STELLAR=9.5M
	Aug 15 2009 31"	17mmT4	VB,ML,R,BNUC,CNTR* 13TH,GMBM,BLUEISH,NEB AR CNTR*,OIII,NEB BTR,NO CNTR*,BLUEISH,R=E		
	Jul 08 1983 12.5"	12mm	MB,VS,BNUC,BLUEISH,VR,BM,APPEARS AS A *,NEB COMES OUT WITH AV		
	Jul 30 1981 12.5"	12mm	R,GMBM,SM,GREENISH BLUE		
92	NGC 6894	Cyg	H13-4	Planetary Neb 4+2	RINGNEB,F,S,VVLE
	Aug 15 2009 31"	17mmT4	MB,ML,OV,NO CNTR*,VF* IN EDGE OF RING,MINI M57,OIII,MORE NEB,EDGES FRAILED,R=E		
	Sep 04 2002 12.5"	9mmT6	MF,PS,UB,OV,AL,CNTR RGN DARK PATCH,ONE SIDE SLT BTR		
93	IC 4997	Sge		Planetary Neb 1	
	Jul 05 2008 31"	12mmT4	PB,PS,R,CNTR RGN B,W/OIII,HELPS MUCH,BM,FHALO DET SUR CNTR,R=G		
	Sep 10 2004 31"	17mmT4	VB,MS,BNUC,HISB,W/OIII,B BLUE,B CNTR DISC WITH F HALO,ALM *,R=G		
94	NGC 6905	Del	H16-4	Planetary Neb 3+3	PLN,B,PS,R,4S*NR
	Aug 15 2009 31"	17mmT4	PB,ML,OV,AL,CNTR* 14TH,PATCHY AREAS,GREENISH,ONE SIDE BTR THAN OTHER,OIII,HELPS, MORE PATCHY AREAS,ENDS BROKEN,R=E		
	Jul 08 1983 12.5"	12mm	MF,PS,R,TRI OF *S SUR OBJECT,OUTER EDGES FTR THAN CNTR		
	Jul 30 1981 12.5"	12mm	BLUEISH GREEN COLOR,R,EDGES WELL DEF,CNTR * VF,UB		
95	NGC 7008	Cyg	H192-1	Planetary Neb 3	CB,L,E45,R,**ATT
	Aug 15 2009 31"	17mmT4	MB,PL,PATCH,CNTR* 13TH,2 HALVES,BROKEN,ANOTHER 13TH * IN NEB,BLOBS BOTH ENDS,OIII,HELPS,MORE NEB,BBLOBS BOTH ENDS,CNTR* STILL VISIBLE,R=E		
	Aug 11 1982 12.5"	16mm	MF,PL,BG COLOR,NW PART BTR,PATCHY-R,CNTR 14* DET,LOC E OF A FEW *S		
96	NGC 7009	Aqr	H1-4	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
	Aug 15 2009 31"	17mmT4	VB,VL,HISB,B BLUEISH,RING DET,F NEB AR CNTRBALL,NO CNTR*,OIII,DOESNOT HELP THAT MUCH BUT RING IS EASIER TO DETECT,R=E		
	Sep 27 2005 31"	17mmT4	VF,VL,EL-R,HISB,THICK INNER RING,B BLUE,CNTR *,RINGS DET,R=E		
	Sep 27 2005 31"	17mmT4	WITH O/III, EB,VL,EL-R,MORE NEB DET BOTH SIDES OF RING,BTR W/O,R=E		
	Sep 01 2002 31"	9mmT6	B BLUE,RING SEEN,DETAIL IN NEB DET,BEST VIEW TO DATE		
	Aug 31 1984 12.5"	12mm	VB,MS,R B BLUEISH NEB,SLT EL,UB		
	Jul 10 1981 12.5"	16mm	SATURN NEB,RING EASILY SEEN,B BLUE,MB,MS		
	Oct 31 1980 12.5"	24mm			
	Sep 10 1980 12.5"	24mm			
	Jul 17 1980 12.5"	24mm			
	Jun 18 1980 12.5"	9mm	DISK SHOWN WELL		
97	NGC 7026	Cyg		Planetary Neb 3a	PB,BIN,PLN
	Aug 23 2009 31"	12mmT4	MF,MS,HISB,SQ SHAPE,2 BARS BOTH SIDES OF CNTR REG,NO CNTR *,NEB EXTENDS BEYOND BARS BOTH SIDES,F* OFF ONE SIDE,OIII HELPS LTL,R=E		
	Jul 24 1981 12.5"	12mm	DIF THRUT,9...10* W ~20 SEC,UB,EL IN SHAPE		
98	NGC 7027	Cyg		Planetary Neb 3a	PLN,STELLAR=8.5M
	Aug 23 2009 31"	12mmT4	VB,ML,HISB,B GREENISH BLUE,13TH MAG * IN NEB OFF CNTR,B NEB SUR *,NO CNTR*,IRR IN SHAPE,BROKEN PARTS,F NEB DET SUR BROKEN PARTS,OIII,HELP LTL,BLENDS BROKEN		

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98	NGC	7027	Cyg	Planetary Neb 3a	PLN,STELLAR=8.5M
	Jun 06 1981	12.5"	16mm	BLUE GREENISH,MB,PL	
99	SH1	89	Cyg	Planetary Neb 3a	
	Sep 02 2008	31"	17mmT4	EDIF,EF,MS,OVAL,UB,* HOP,BARELY VIS W/AV,OIII HELPS GREATLY,NEB DET,NO CNTR*,R=P	
100	NGC	7048	Cyg	Planetary Neb 3b	PF,PL,DIF,IR,VLBM
	Aug 23 2009	31"	12mmT4	MF,ML,OVAL,UB,3F*S IN NEB ONE SIDE,NO CNTR*,OIII,NOT UB,PATCHY,DARK AREAS,R=G	
	Jun 06 1981	12.5"	16mm	GREENISH,DIF,MF,PL	
101	PEASE	1	Peg	Planetary Neb 1	
	Jul 05 2008	31"	17mmT4	MF,ES,R,W/OIII,HELPS NEB LTL BY KNOCKING OUT *S,ALM DEAD CNTR,NO CNTR*,R=P	
	Sep 23 2003	31"	9mmT6	VF,ES,NEB FILTER,R,STANDS OUT,V CLOSE TO CNTR OF CL,R=F	
	Sep 20 2003	31"	25mm	EDIF,EF,VS,PLANTARY IN M15,BLUIISH GREY BALL OFF CNTR OF CL,R=G	
102	IC	5117	Cyg	Planetary Neb 2	
	Sep 02 2008	31"	17mmT4	MB,VS,R,UB,BLUEISH BALL,CLOSE TO *,OIII HELPS LTTL,F NEB DET ARND BALL,NO CNTR*,R=F	
	Sep 18 2004	31"	17mmT4	MB,VS,R,HISB,W/OIII,* CLOSE BY,B BLUE,VS DISC,F NEB DET WITH AV,R=F	
103	HU	1-2	Cyg	Planetary Neb 2	
	Sep 02 2008	31"	17mmT4	MB,MS,HOUR GLS SHAPE,F NEB ARND,BLUEISH,NO CNTR*,OIII HELPS LTTL,MORE NEB DET,R=F	
104	NGC	7094	Peg	Planetary Neb 4	*IN EEF NEBY,VDIFFIC
	Sep 02 2008	31"	17mmT4	VF,ML,R,NEB BARELY DET,CNTR* 12MAG,OIII HELPS MUCH,CNTR* W/RND NEB,DARK CNTR AREA,R=F	
	Sep 20 2003	31"	25mm	PF,VL,R,B CNTR *,AREAS OF PATCHES IN NEB,R=G	
105	IC	5217	Lac	Planetary Neb 2	
	Sep 02 2008	31"	17mmT4	MB,VS,R,UB,B BLUE BALL,NO CNTR*,OIII HELPS LTL,F HALO NEB DET ARND BALL,R=F	
	Sep 18 2004	31"	17mmT4	MB,PS,R,HISB,W/OIII,B BLUEISH BALL W/F HALO DET,CNTR * SUSP,BM,R=G	
106	NGC	7293	Aqr	Planetary Neb 4+3	PF,VL,E OR BIN
	Sep 02 2008	31"	31mmT5	DIF,PF,EEL,FILLS 17MM,OIII HELPS GREATLY,SVRL F*S CNTR RGN,CNTR* 13MAG,L DARK AREA SUR CNTR,FINE DETAIL OUTER EDGES,BEST TODATE,R=E	
	Jul 10 1981	12.5"	24mm	EL,MF,DIF GAS CLOUD WITH *S WITHIN ITS BOUNDARIES,HELIX NEB	
	Oct 31 1980	12.5"	24mm		
	Sep 18 1980	12.5"	24mm		
	Sep 10 1980	12.5"	24mm	HELIX NEB,WITH NEB FILTER E!!!	
107	NGC	7354	Cep	H705-2 Planetary Neb 4+3b	PLN,B,S,R,PGVLBM
	Sep 12 2012	36"	17mmT4	PB,ML,R,UB,MHISB,BLUEISH GREEN,NO CNTR*,OIII DARKENS NEB AND BRINGS OUT MORE DET,PATCHY,DARK AREAS,R=E	
	Sep 02 2008	31"	17mmT4	PB,ML,R,UB,GREENISH,NO CNTR* TOO F,OIII DOESNOT HELP MUCH,R=E	
	Jul 09 1983	12.5"	12mm	VF,PS,2F*S ON EDGE,VR,SOFT UB GLOW	
108	NGC	7662	And	H18-4 Planetary Neb 4+3	PLN ORRING,VB,PS,R
	Sep 02 2008	31"	17mmT4	VB,ML,OVAL-R,B GREENISH,B INNER RING NOT SYM,B GREENISH EDGES IN SPOTS,CNTR* 14TH MAG,R=E	
	Aug 31 1984	12.5"	12mm	MB,VS,VR,UNIFORM BLUEISH COLOR,* CLOSE BY	
	Sep 23 1981	12.5"	16mm	B BLUEISH GREEN,UB,R WITH FUZZY EDGES,NO CNTR *,MB,PS,15* SW	
	Jul 15 1980	12.5"	24mm		
109	JONES	1	Peg	Planetary Neb 3b	
	Sep 02 2008	31"	17mmT4	DIF,VF,VL,PATCH,OIII HELPS MUCH,2 CRESENT HALVES,SVRL VF*S IN CNTR REG,CNTR*	

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110 ABELL 82	Cas	Planetary Neb
Sep 02 2008 31"	17mmT4	DIF,EF,ML,OVAL,CNTR*15MAG,OTHER F*S IN NEB CLOSE TO CNTER,OIII HELPS DET NEB,R=P
Sep 19 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,OVAL,PATCH,B* IN CTR,3F*S IN NEB ONE SIDE,L BALL/PATCH,R=F

Total: 110